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FOR INTERNAL USE ONLY

Template Name	60.5420a(b) Annual Report (Spreadsheet Template)
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Template Version	v1.00
Last Updated Date	

40 CFR Part 60, Subpart OOOOa Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, - §60.5420a Annual Report Spreadsheet Template

Instructions for Spreadsheet Template

Purpose:

This spreadsheet template was designed by the U.S. EPA to facilitate annual reporting for Oil and Gas Facilities under 40 CFR Part 60, Subpart OOOOa. The template is available on the EPA's Compliance and Emissions Data Reporting (CEDRI) Data Exchange (<https://cdx.epa.gov>)

Electronic reporting:

Electronic submission of annual reports through the EPA's Compliance and Emissions Data Reporting (CEDRI) is required under 40 CFR Part 60, Subpart OOOOa.

The CEDRI spreadsheet template upload feature allows you to submit data in a single report for a single facility or multiple facilities. Data for the site(s) must be entered into the worksheet labeled "Site Information" in this Excel workbook. Each site. The Site Record No. will be used to match the information on each tab to the appropriate site.

IMPORTANT: For each site/facility record found in the "Site Information" worksheet, you may reference each citation found in the workbook or provide individual file names for each individual citation record, as an example.

The spreadsheet must be uploaded into CEDRI as a single ZIP file, which must include this Excel workbook and any of the worksheets found in the workbook (e.g., the Certification file found in the "Site Information" worksheet).

Note: If you are uploading file attachments for your report, the uploaded files may be in any format (e.g., zip, docx, PDF). If you first zip the excel file(s) into a separate ZIP file to the master ZIP file that will be uploaded into CEDRI.

Once all data have been entered in the worksheet, combine this Excel workbook and all attachment files (including any ZIP files) for upload to CEDRI.

Please ensure your report includes all of the required data elements found in the listed citations below for this spreadsheet template as specified in paragraph (b)(11) of this section.

§60.5420a What are my notification, reporting, and recordkeeping requirements?

(b) *Reporting requirements*. You must submit annual reports containing the information specified in paragraphs (b)(9) or (10) of this section, if applicable, except as provided in paragraph (b)(13) of this section. You must submit an annual report is due no later than 90 days after the end of the initial compliance period as determined according to the annual report. If you own or operate more than one affected facility, you may submit one report for multiple affected facilities. (b)(1) through (8) of this section, except as provided in paragraph (b)(13) of this section. Annual reports may coincide with the Administrator's common schedule on which reports required by this part may be submitted.

, Modification or Reconstruction Commenced After September 18, 2015

Under part 60, subpart OOOOa. CEDRI is accessed through the EPA's Central

Under §60.5420a(b).

facilities, as well as multiple sites, using this EPA provided Excel
row in the "Site Information" worksheet includes the data for a single

**be a single file attachment that includes all information for
In the examples provided in the workbook, we provide both**

**work and any related attachments that were referenced in
' worksheet).**

if you would like to include an Excel file(s) as an attachment, you must

file containing separate excel file(s), if applicable) into a single ZIP file

upload submission.

b)(1) through (8) and (12) of this section and performance test reports as specified in paragraph
annual reports following the procedure specified in paragraph (b)(11) of this section. The initial
of §60.5410a. Subsequent annual reports are due no later than same date each year as the initial
affected facilities provided the report contains all of the information required as specified in paragraphs
side with title V reports as long as all the required elements of the annual report are included. You
as long as the schedule does not extend the reporting period.

- (1) The general information specified in paragraphs (b)(1)(i) through (iv) of this section for all reports.
- (i) The company name, facility site name associated with the affected facility, US Well ID or US Well ID associated available for the site, include a description of the site location and provide the latitude and longitude coordinates North American Datum of 1983.
 - (ii) An identification of each affected facility being included in the annual report.
 - (iii) Beginning and ending dates of the reporting period.
 - (iv) A certification by a certifying official of truth, accuracy, and completeness. This certification shall state that, ba the document are true, accurate, and complete.

- (2) For each well affected facility, the information in paragraphs (b)(2)(i) through (iii) of this section.
- (i) Records of each well completion operation as specified in paragraphs (c)(1)(i) through (iv) and (vi) of this section submitting the records specified in paragraph (c)(1)(i) through (iv) of this section, the owner or operator may subn the records required by paragraph (c)(1)(v) of this section for each well completion.
 - (ii) Records of deviations specified in paragraph (c)(1)(ii) of this section that occurred during the reporting period.
 - (iii) Records specified in paragraph (c)(1)(vii) of this section, if applicable, that support a determination under 60.5

- (3) For each centrifugal compressor affected facility, the information specified in paragraphs (b)(3)(i) through (iv) :
- (i) An identification of each centrifugal compressor using a wet seal system constructed, modified or reconstrucater
 - (ii) Records of deviations specified in paragraph (c)(2) of this section that occurred during the reporting period.
 - (iii) If required to comply with §60.5380a(a)(2), the records specified in paragraphs (c)(6) through (11) of this secti
 - (iv) If complying with §60.5380a(a)(1) with a control device tested under §60.5413a(d) which meets the criteria in section for each centrifugal compressor using a wet seal system constructed, modified or reconstructed during the

- (4) For each reciprocating compressor affected facility, the information specified in paragraphs (b)(4)(i) and (ii) of :
- (i) The cumulative number of hours of operation or the number of months since initial startup or since the previou that emissions from the rod packing are being routed to a process through a closed vent system under negative pr
 - (ii) Records of deviations specified in paragraph (c)(3)(iii) of this section that occurred during the reporting period.

- (5) For each pneumatic controller affected facility, the information specified in paragraphs (b)(5)(i) through (iii) of :
- (i) An identification of each pneumatic controller constructed, modified or reconstructed during the reporting peri
 - (ii) If applicable, documentation that the use of pneumatic controller affected facilities with a natural gas bleed ra
 - (iii) Records of deviations specified in paragraph (c)(4)(v) of this section that occurred during the reporting period.

- (6) For each storage vessel affected facility, the information in paragraphs (b)(6)(i) through (vii) of this section.
- (i) An identification, including the location, of each storage vessel affected facility for which construction, modifica shall be in latitude and longitude coordinates in decimal degrees to an accuracy and precision of five (5) decimals
 - (ii) Documentation of the VOC emission rate determination according to §60.5365a(e) for each storage vessel that reporting period.
 - (iii) Records of deviations specified in paragraph (c)(5)(iii) of this section that occurred during the reporting period
 - (iv) A statement that you have met the requirements specified in §60.5410a(h)(2) and (3).
 - (v) You must identify each storage vessel affected facility that is removed from service during the reporting period removed from service.
 - (vi) You must identify each storage vessel affected facility returned to service during the reporting period as specifi
 - (vii) If complying with §60.5395a(a)(2) with a control device tested under §60.5413a(d) which meets the criteria ir section for each storage vessel constructed, modified, reconstructed or returned to service during the reporting pr

with the affected facility, if applicable, and address of the affected facility. If an address is not of the site in decimal degrees to an accuracy and precision of five (5) decimals of a degree using the

sed on information and belief formed after reasonable inquiry, the statements and information in

n, if applicable, for each well affected facility conducted during the reporting period. In lieu of nit a list of the well completions with hydraulic fracturing completed during the reporting period and

432a that the well affected facility is a low pressure well as defined in 60.5430a.

of this section.

d during the reporting period.

on.

§60.5413a(d)(11) and §60.5413a(e), records specified in paragraph (c)(2)(i) through (c)(2)(vii) of this e reporting period.

this section.

is reciprocating compressor rod packing replacement, whichever is later. Alternatively, a statement essage.

this section.

od, including the identification information specified in §60.5390a(b)(2) or (c)(2). te greater than 6 standard cubic feet per hour are required and the reasons why.

ition or reconstruction commenced during the reporting period. The location of the storage vessel of a degree using the North American Datum of 1983.

: became an affected facility during the reporting period or is returned to service during the

l as specified in §60.5395a(c)(1)(ii), including the date the storage vessel affected facility was

fied in §60.5395a(c)(3), including the date the storage vessel affected facility was returned to service.

§60.5413a(d)(11) and §60.5413a(e), records specified in paragraphs (c)(5)(vi)(A) through (F) of this eriod.

(7) For the collection of fugitive emissions components at each well site and the collection of fugitive emissions component monitoring survey including the information specified in paragraphs (b)(7)(i) through (xii) of this section. For the case under §60.5397a(g)(5), you must include in your annual report the fact that a monitoring survey was waived and that it was waived.

(i) Date of the survey.

(ii) Beginning and end time of the survey.

(iii) Name of operator(s) performing survey. If the survey is performed by optical gas imaging, you must note the type of instrument used.

(iv) Ambient temperature, sky conditions, and maximum wind speed at the time of the survey.

(v) Monitoring instrument used.

(vi) Any deviations from the monitoring plan or a statement that there were no deviations from the monitoring plan.

(vii) Number and type of components for which fugitive emissions were detected.

(viii) Number and type of fugitive emissions components that were not repaired as required in §60.5397a(h).

(ix) Number and type of difficult-to-monitor and unsafe-to-monitor fugitive emission components monitored.

(x) The date of successful repair of the fugitive emissions component.

(xi) Number and type of fugitive emission components placed on delay of repair and explanation for each delay of repair.

(xii) Type of instrument used to resurvey a repaired fugitive emissions component that could not be repaired during the reporting period.

(8) For each pneumatic pump affected facility, the information specified in paragraphs (b)(8)(i) through (iii) of this section.

(i) For each pneumatic pump that is constructed, modified or reconstructed during the reporting period, you must provide the identification of the pneumatic pump affected facility and the date it was previously reported according to paragraphs (b)(8)(i)(A), (B) or (C) of this section.

(A) No control device or process is available on site.

(B) A control device or process is available on site and the owner or operator has determined in accordance with §60.5411a(d) that the control device or process is not designed to achieve the required emission level.

(C) Emissions from the pneumatic pump are routed to a control device or process. If the control device is designed to achieve the required emission level, the control device is designed to achieve the required emission level.

(ii) For any pneumatic pump affected facility which has been previously reported as required under paragraph (b)(8)(i) of this section during the reporting period, provide the identification of the pneumatic pump affected facility and the date it was previously reported according to paragraphs (b)(8)(ii)(A), (B) or (C) or (D) of this section.

(A) A control device has been added to the location and the pneumatic pump now reports according to paragraph (b)(8)(i)(C) of this section.

(B) A control device has been added to the location and the pneumatic pump affected facility now reports according to paragraph (b)(8)(i)(C) of this section.

(C) A control device or process has been removed from the location or otherwise is no longer available and the pneumatic pump now reports according to paragraph (b)(8)(i)(A) of this section.

(D) A control device or process has been removed from the location or is otherwise no longer available and the owner or operator has determined that it is technically infeasible to capture and route the emissions to another control device or process.

(iii) Records of deviations specified in paragraph (c)(16)(ii) of this section that occurred during the reporting period.

(12) You must submit the certification signed by the qualified professional engineer according to §60.5411a(d) for the reporting period.

(11) You must submit reports to the EPA via the CEDRI. (CEDRI can be accessed through the EPA's CDX (<https://cdx.epa.gov/>) in an electronic file format consistent with the extensible markup language (XML) schema listed on the CEDRI Web site. If you submit a report in a format other than the XML schema listed on the CEDRI Web site, you must submit the report to the Administrator at the appropriate time. If you submit a report in a format other than the XML schema listed on the CEDRI Web site, you must begin submitting all subsequent reports via CEDRI. The reports must be submitted by the deadline.

components at each compressor station within the company-defined area, the records of each collection of fugitive emissions components at a compressor station, if a monitoring survey is waived the calendar months that make up the quarterly monitoring period for which the monitoring survey

training and experience of the operator.

an.

repair.

ing the initial fugitive emissions finding.

section.

provide certification that the pneumatic pump meets one of the conditions described in paragraphs

60.5393a(b)(5) that it is technically infeasible to capture and route the emissions to the control

l to achieve less than 95 percent emissions reduction, specify the percent emissions reductions the

(8)(i) of this section and for which a change in the reported condition has occurred during the reported and a certification that the pneumatic pump meets one of the conditions described in

(b)(8)(i)(C) of this section.

ng to paragraph (b)(8)(i)(B) of this section.

eumatic pump affected facility now report according to paragraph (b)(8)(i)(A) of this section.

wner or operator has determined in accordance with §60.5393a(b)(5) through an engineering

l.

each closed vent system routing to a control device or process.

(www.epa.gov/.) You must use the appropriate electronic report in CEDRI for this subpart or an alternate (<https://www3.epa.gov/ttn/chief/cedri/>). If the reporting form specific to this subpart is not appropriate address listed in §60.4. Once the form has been available in CEDRI for at least 90 calendar days specified in this subpart, regardless of the method in which the reports are submitted.

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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Expansion is Required
For each affected facility, an owner or operator must include the information specified in paragraphs (b)(1)(i) through (b)(1)(v).

The asterisk (*) next to each field indicates that the corresponding field is required.

SITE INFORMATION

Facility Record No. * (Field value will automatically generate if a value is not entered.)	Company Name * (\$60.5420a(b)(1)(i))	Facility Site Name * (\$60.5420a(b)(1)(i))	US Well ID or US Well ID Associated with the Affected Facility, if applicable. * (\$60.5420a(b)(1)(i))	Address of Affected Facility * (\$60.5420a(b)(1)(i))
---	---	---	---	---

XML Tag:

FacilityName

e.g.: ABC Company

SiteName

e.g.: XYZ Compressor Station

WellId

e.g.: 12-345-67890-12

AddressLine1

e.g.: 123 Main Street

¹ Alta Vista Oil Corporatic Slaughterville 1H

2500322949 NA

ation or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report
ough (iv) of this section in all annual reports:

Address 2	City *	County *	State Abbreviation *	Zip Code *	Responsible Agency Facility ID (State Facility Identifier)
AddressLine2 e.g.: Suite 100	CityName e.g.: Brooklyn	CountyName e.g.: Kings County	StateName e.g.: NY	ZipCode e.g.: 11221	StateFacId
NA	NA	Big Horn	MT	59025	

ALTERNATIVE ADDRESS INFORMATION (IF NO PHYSICAL ADDRESS AVAILABLE FOR SITE *)

REPORTING INFORMATION

Description of Site Location (§60.5420a(b)(1)(i))	Latitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))	Longitude of the Site (decimal degrees to 5 decimals using the North American Datum of 1983) (§60.5420a(b)(1)(i))	Beginning Date of Reporting Period.* (§60.5420a(b)(1)(iii))
--	--	---	---

SiteDescription

e.g.: 7 miles NE of the
intersection of Hwy 123 and
Hwy 456

SiteLatitude

e.g.: 34.12345

SiteLongitude

e.g.: -101.12345

PeriodStartDate

e.g.: 01/01/2016

7 miles east of Decker, MT
on Otter road

45.02295

-106.71361

8/3/2017

INFORMATION		PE Certification		ADDITIONAL INFORMATION	
Ending Date of Reporting Period.* (§60.5420a(b)(1)(iii))	Please provide the file name that contains the certification signed by a qualified professional engineer for each closed vent system routing to a control device or process. * (§60.5420a(b)(12)) Please provide only one file per record.	Please enter any additional information.	Enter associated file name reference.		
PeriodEndDate e.g.: 06/30/2016	PeCertFile e.g.: Certification.pdf or XYZCompressorStation.pdf	AddInfo	AddFile e.g.: addlinfo.zip or XYZCompressorStation.pdf		

8/2/2018

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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Processing Facilities
For each well affected facility, an owner or operator must include the information in the following table:

The asterisk (*) next to each field indicates that the corresponding field is required.

Facility Record No. * (Select from dropdown list - may need to scroll up)	United States Well Number* (§60.5420a(b)(1)(ii))
--	--

XML Tag:	WellId
	e.g.: 12-345-67890-12

s Facilities for which Construction, Modification or Reconstruction Commenced After September 18, 201!
 information specified in paragraphs (b)(2)(i) through (iii) of this section in all annual reports:

required.

	§60.5432a Low Pressure Wells	All Well Completions
Records of deviations where well completion operations with hydraulic fracturing were not performed in compliance with the requirements specified in § 60.5375a. * (§60.5420a(b)(2)(ii) and §60.5420a(c)(1)(ii))	Please provide the file name that contains the Record of Determination and Supporting Inputs and Calculations * (§60.5420a(b)(2)(iii) and §60.5420a(c)(1)(vii)) Please provide only one file per record.	Well Completion ID * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(i))

DeviationDesc

e.g.: On October 12, 2016, a separator was not onsite for the first 3 hours of the flowback period.

DeterminationFile

e.g.: lowpressure.pdf or XYZCompressorStation.pdf

WellCompletionId

e.g.: Completion ABC

NA

NA

Slaughterville 1H

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Well Location * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- (B))	Date of Onset of Flowback Following Hydraulic Fracturing or Refracturing * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- (B))	Time of Onset of Flowback Following Hydraulic Fracturing or Refracturing * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- (B))	Date of Each Attempt to Direct Flowback to a Separator * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)- (B))
AffWellLocation	AffOnsetDate	AffOnsetTime	AffAttemptDate
e.g.: 34.12345 latitude, -101.12345 longitude	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16

45.02295, -106.71361

8/3/2017

8:00 PM

8/5/2017
8/9/2017
8/22/2017

11:00pm	NA	NA
4:00am		
7:00am		

h §60.5375a(a) and §60.5375a(f)

Time Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Duration of Flowback in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Duration of Recovery in Hours * (<i>Not Required for Wells Complying with §60.5375a(f)</i>) (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A))	Disposition of Recovery * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))
AffShutInTime	AffFlowbackHrs	AffRecoveryHrs	AffRecoveryDesc
e.g.: 10 a.m.	e.g.: 5	e.g.: 5	e.g.: Used as onsite fuel

Routed all gas to flare
Routed all gas to flare
Routed all gas to flare

Duration of Combustion in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Duration of Venting in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Reason for Venting in lieu of Capture or Combustion * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Well Location * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))
AffCombustionHrs e.g.: 5	AffVentingHrs e.g.: 5	AffVentingReason e.g: No onsite storage or combustion unit was available at the time of completion.	ExcWellLocation e.g.: 34.12345 latitude, -101.12345 longitude

NA

NA

45.02295, -106.71361

Specific Exception Claimed *	Starting Date for the Period the Well Operated Under the Exception *	Ending Date for the Period the Well Operated Under the Exception *
(§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))	(§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))	(§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))

ExcPeriodEndDate

e.g.: 10/18/2016

10/5/2017

ally Infeasible to Route to the Gas Flow Line or Collection System, Re-inject into a Well, Use as an Onsite Fuel S

Why the Well Meets the Claimed Exception * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iv))	Name of Nearest Gathering Line * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Location of Nearest Gathering Line * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))

ExcExceptionDesc

e.g.: As further described in this report, technical issues prevented the use of the gas for useful purposes.

ExcG/Name

e.g.: ABC Line

ExcG/Location

e.g.: 100 miles away at
34.12345 latitude, -101.12345
longitude

As further described in this report, technical issues prevented the use of the gas for useful purposes.

Summit

Gathering line is approx.
5 miles from well site.

Source, or Use for Another Useful Purpose Served By a Purchased Fuel or Raw Material

Technical Considerations Preventing Routing to this Line * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Capture, Reinjection, and Reuse Technologies Considered * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Aspects of Gas or Equipment Preventing Use of Recovered Gas as a Fuel Onsite * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))
ExcGIPreventDesc e.g.: right of use	ExcTechConsidered e.g.: on-site generators	ExcGasAspect e.g.: gas quality

Gathering line is approximately 5 miles from well site. As this is an exploratory well, connecting to this line is economically infeasible.

Fuel for onsite power generation, route to sales gathering line

gas quality renders
stream unusable for
onsite fuel

Technical Considerations Preventing Use of Recovered Gas for Other Useful Purpose * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Additional Reasons for Technical Infeasibility * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A)-(B))	Well Location* (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Date of Onset of Flowback Following Hydraulic Fracturing or Refracturing * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))
ExcPreventReuse	ExcAddReason	LiqWellLocation	LiqOnsetDate
e.g. gas quality	e.g. well damage or clean-up	e.g.: 34.12345 latitude, -101.12345 longitude	e.g.: 10/16/16

gas quality

Exploratory Well

Well Affected Facilities Meeting the Criteria of §60.5375a(a)(1)(iii)(A) - Not Hydra

Time of Onset of Flowback Following Hydraulic Fracturing or Refracturing * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Date Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Time Well Shut In and Flowback Equipment Permanently Disconnected or the Startup of Production * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Duration of Flowback in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))
LiqOnsetTime	LiqShutInDate	LiqShutInTime	LiqFlowbackHrs
e.g.: 10 a.m.	e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 5

ulically Fractured/Refractured with Liquids or Do Not Generate Condensate, Intermediate Hydrocarbon Liquid

Duration of Combustion in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Duration of Venting in Hours * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Reason for Venting in lieu of Capture or Combustion * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(A) and (C))	Does well still meet the conditions of §60.5375a(1)(iii)(A)? * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))
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LiqCombustionHrs e.g.: 5	LiqVentingHrs e.g.: 5	LiqVentingReason e.g: No onsite storage or combustion unit was available at the time of completion.	LiqRegConditionFlag e.g.: Yes
------------------------------------	---------------------------------	---	---

ds, or Produced Water (No Liquid Collection System or Separator Onsite)

<p>If applicable Date Well Completion Operation Stopped * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))</p>	<p>If applicable: Time Well Completion Operation Stopped * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))</p>	<p>If applicable: Date Separator Installed * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))</p>	<p>If applicable: Time Separator Installed * ((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(2))</p>
LiqStopDate	LiqStopTime	LiqSeparatorDate	LiqSeparatorTime
e.g.: 10/16/16	e.g.: 10 a.m.	e.g.: 10/16/16	e.g.: 10 a.m.

	Well Affected Facilities Required to Comply with Both §60.5375a(a)(1) and (3) Using a Digital Photo in lieu of Records Required by §60.5420a(c)(1)(i) through (iv)
<p>Are there liquids collection at the well site? Based on information and belief formed after reasonable inquiry, the statements and information in the document are true, accurate, and complete. *</p> <p>((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(iii)(C)(3))</p>	<p>Please provide the file name that contains the Digital Photograph with Date Taken and Latitude and Longitude Imbedded (or with Visible GPS), Showing Required Equipment</p> <p>(§60.5420a(b)(2)(i) and §60.5420a(c)(1)(v))</p> <p>Please provide only one file per record.</p>
LiqCollectionFlag	WellFile
e.g.: No	e.g.: completion1.pdf or XYZCompressorStation.pdf

Well Affected Facilities Meeting the Criteria of §60.5375a(g) - <

Well Location* (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)(B))	Please provide the file name that contains the Record of Analysis Performed to Claim Well Meets §60.5375a(g), Including GOR Values for Established Leases and Data from Wells in the Same Basin and Field * (§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)(A)) Please provide only one file per record.
--	--

GasWellLocation

e.g.: 34.12345 latitude,
 -101.12345 longitude

GasAnalysisFile

e.g.: GORcalcs.pdf or
 XYZCompressorStation.pdf

300 scf of Gas per Stock Tank Barrel of Oil Produced

Does the well meet the requirements of
§60.5375a(g)?

Based on information and belief formed after
reasonable inquiry, the statements and information
in the document are true, accurate, and complete. *
((§60.5420a(b)(2)(i) and §60.5420a(c)(1)(vi)(C))

GasRequirementFlag

e.g.: Yes

8/31/2017
9/3/2017
9/4/2017
9/5/2017
9/7/2017
9/9/2017
9/10/2017
9/11/2017
9/12/2017
9/13/2017
9/14/2017
9/15/2017
9/16/2017
9/17/2017
9/18/2017
9/19/2017
9/20/2017
9/21/2017
9/22/2017
9/23/2017
9/24/2017
9/25/2017
9/26/2017
9/27/2017
9/28/2017
10/3/2017
10/4/2017
10/5/2017

2:00pm
10:00pm
7:00am
9:00pm
1:00am
7:00am
7:00am, 9:00pm
7:00am, 6:00 pm
2:00pm
7:00am
7:00am
7:00am
7:00am, 11:00am
7:00am, 11:00am
7:00am
7:00am, 11:00am
7:00am, 11:00am
7:00am, 2:00pm
7:00am
7:00am, 11:00am
7:00am
7:00am, 11:00am
7:00am, 1:00pm
7:00am, 12:00pm
7:00am, 11:00am
7:00am
7:00am
6:00am

10/5/2017

802 Routed all gas to flare

849

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Template Version	v1.00
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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities
 For each centrifugal compressor affected facility, an owner or operator must inc

The asterisk (*) next to each field indicates that the corresponding field is required

Facility Record No. * (Select from dropdown list - may need to scroll up)	Compressor ID * (§60.5420a(b)(1)(ii))
---	--

XML Tag: CompressorId

 e.g.: Comp-12b

is for which Construction, Modification or Reconstruction Commenced After September 18, 2015
include the information specified in paragraphs (b)(3)(i) through (iv) of this section in all annual reports.

1.

<p>For centrifugal compressors using a wet seal system, was the compressor constructed, modified or reconstructed during the reporting period? *</p> <p>(§60.5420a(b)(3)(i))</p>	<p>Deviations where the centrifugal compressor was not operated in compliance with requirements *</p> <p>(§60.5420a(b)(3)(ii) and §60.5420a(c)(2))</p>
<p>CompressorConstruct</p> <p>e.g.: modified</p>	<p>CompressorDeviation</p> <p>e.g.: On October 12, 2016, the pilot flame was not functioning on the combustion unit controlling the compressor.</p>

- 60.5420a(b) Annual Report

orts:

Centr	
Record of Each Closed Vent System Inspection * (§60.5420a(b)(3)(iii) and §60.5420a(c)(6))	Record of Each Cover Inspection * (§60.5420a(b)(3)(iii) and §60.5420a(c)(7))
VentSystemInspection	VentCoverInspection
e.g.: Annual inspection conducted on 12/16/16. No defects observed. No detectable emissions observed.	e.g.: Annual inspection conducted on 12/16/16. No defects observed.

ifugal Compressors Required to Comply with §60.5380a(a)(2) - Cover and Closed Vent System Requirements

If you are subject to the bypass requirements of §60.5416a(a)(4) and you monitor the bypass with a flow indicator, a record of each time the alarm is sounded. *
(§60.5420a(b)(3)(iii) and §60.5420a(c)(8))

If you are subject to the bypass requirements of §60.5416a(a)(4) and you use a secured valve, a record of each monthly inspection. *
(§60.5420a(b)(3)(iii) and §60.5420a(c)(8))

VentAlarmRecord

e.g.: On 4/5/17, the bypass alarm sounded for 2 mintues.

VentMonthInspection

e.g.: Monthly inspection performed 4/15/17. Valve was maintained in the non-diverting position. Vent stream was not diverted through the bypass.

		Centrifugal Compressor
<p>If you are subject to the bypass requirements of §60.5416a(a)(4) and you use a lock-and-key valve, a record of each time the key is checked out. *</p> <p>(§60.5420a(b)(3)(iii) and §60.5420a(c)(8))</p>	<p>Record of No Detectable Emissions Monitoring Conducted According to §60.5416a(b) *</p> <p>(§60.5420a(b)(3)(iii) and §60.5420a(c)(9))</p>	<p>Records of the Schedule for Carbon Replacement * (determined by design analysis)</p> <p>(§60.5420a(b)(3)(iii) and §60.5420a(c)(10))</p>
VentKeyRecord	VentDetectEmission	CarbonReplaceSch
e.g.: The key was not checked out during the annual reporting period.	e.g.: Annual inspection conducted on 12/16/16. The highest reading using the FID was 300 ppmv.	e.g.: Carbon must be replaced every 2 years.

Compressors with Carbon Adsorption	Centrifugal Compressors Subject to Continuous Parameter Monitoring	
<p>Records of Each Carbon Replacement *</p> <p>(§60.5420a(b)(3)(iii) and §60.5420a(c)(10))</p>	<p>Minimum/Maximum Operating Parameter Value *</p> <p>(§60.5420a(b)(3)(iii) and §60.5420a(c)(11))</p>	<p>Please provide the file name that contains the Continuous Parameter Monitoring System Data *</p> <p>(§60.5420a(b)(3)(iii) and §60.5420a(c)(11))</p> <p>Please provide the file name that contains.</p>
<p>CarbonReplaceRecord</p> <p>e.g.: Carbon was not replaced during the annual reporting period.</p>	<p>CtrlOpParameter</p> <p>e.g.: Minimum temperature differential across catalytic oxidizer bed of 20°F.</p>	<p>CtrlParameterFile</p> <p>e.g.: CPMS_Comp-12b.pdf or XYZCompressorStation.pdf</p>

Control Device Requirements of §60.5412a(a)-(c)

<p>Please provide the file name that contains the Calculated Averages of Continuous Parameter Monitoring System Data * (§60.5420a(b)(3)(iii) and §60.5420a(c)(11)) Please provide the file name that contains.</p>	<p>Please provide the file name that contains the Results of All Compliance Calculations * (§60.5420a(b)(3)(iii) and §60.5420a(c)(11)) Please provide the file name that contains.</p>	<p>Please provide the file name that contains the Results of All Inspections * (§60.5420a(b)(3)(iii) and §60.5420a(c)(11)) Please provide the file name that contains.</p>	<p>Make of Purchased Device * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(i))</p>
CtrlAveragesFile	CtrlComplianceFile	CtrlInspectionFile	WetDeviceMake
<p>e.g.: CPMSAvg_Comp-12b.pdf or XYZCompressorStation.pdf</p>	<p>e.g.: ComplRslts_Comp-12b.pdf or XYZCompressorStation.pdf</p>	<p>e.g.: InspectRslts_Comp-12b.pdf or XYZCompressorStation.pdf</p>	<p>e.g.: Incinerator Guy</p>

Model of Purchased Device * (\$60.5420a(b)(3)(iv) and §60.5420a(c)(2)(i))	Serial Number of Purchased Device * (\$60.5420a(b)(3)(iv) and §60.5420a(c)(2)(i))	Date of Purchase (\$60.5420a(b)(3)(iv) and §60.5420a(c)(2)(ii))	Please provide the file name that contains the Copy of Purchase Order (\$60.5420a(b)(3)(iv) and §60.5420a(c)(2)(iii)) Please provide the file name that contains.
WetDeviceMake	WetDeviceId	WetPurchaseDate	WetPurchaseFile
e.g.: 400 Combustor	e.g.: 123B3D392	e.g.: 12/10/16	e.g.: purchase_order.pdf or XYZCompressorStation.pdf

Centrifugal Compressors Using a Wet Seal System Constructed, Modified,

Latitude of Centrifugal Compressor (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(iv))	Longitude of Centrifugal Compressor (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(iv))	Latitude of Control Device (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(iv))
WetCompLatitude	WetCompLongitude	WetCtrlLatitude
e.g.: 34.12345	e.g.: -101.12345	e.g.: 34.12340

or Reconstructed During Reporting Period with Control Device Tested Under §60.5413a(d)

<p>Longitude of Control Device (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(iv))</p>	<p>As an Alternative to Latitude and Longitude, please provide the file name that contains the Digital Photograph of Device either with Imbedded Latituded and Longitude or Visible GPS (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(vii)) Please provide the file name that contains.</p>	<p>Inlet Gas Flow Rate * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(v))</p>	<p>Please provide the file name that contains the Records of Pilot Flame Present at All Times of Operation * (§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(vi)(A)) Please provide the file name that contains.</p>
WetCtrlLongitude	WetLocationFile	WetFlowRate	WetFlameFile
e.g.: -101.12340	e.g.: 400_combustor.pdf or XYZCompressorStation.pdf	e.g.: 3000 scfh	e.g.: pilotflame.pdf or XYZCompressorStation.pdf

<p>Please provide the file name that contains the Records of No Visible Emissions Periods Greater Than 1 Minute During Any 15-Minute Period *</p> <p>(§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(vi)(B))</p> <p>Please provide the file name that contains.</p>	<p>Please provide the file name that contains the Records of Maintenance and Repair Log *</p> <p>(§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(vi)(C))</p> <p>Please provide the file name that contains.</p>	<p>Please provide the file name that contains the Records of Visible Emissions Test Following Return to Operation From Maintenance/Repair Activity *</p> <p>(§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(vi)(D))</p> <p>Please provide the file name that contains.</p>	<p>Please provide the file name that contains the Records of Manufacturer's Written Operating Instructions, Procedures and Maintenance Schedule *</p> <p>(§60.5420a(b)(3)(iv) and §60.5420a(c)(2)(vi)(E))</p> <p>Please provide the file name that contains.</p>
WetEmissionFile	WetMaintFile	WetVisibleFile	WetInstructionFile
e.g.: noemissions.pdf or XYZCompressorStation.pdf	e.g.: maintainlog.pdf or XYZCompressorStation.pdf	e.g.: emistest.pdf or XYZCompressorStation.pdf	e.g.: manufinsruct.pdf or XYZCompressorStation.pdf

Cell: K11

Comment: Mia, Marcia:

similar requiremnets for storage vessels? It doesn't look like its referenced from the report.

Cell: J12

Comment: Mia, Marcia:

Add for recip comp, pneumatic pumps

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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Repair of Existing Equipment is Required
For each reciprocating compressor affected facility, an owner or operator must include the information specified in this table.

The asterisk (*) next to each field indicates that the corresponding field is required.

Facility Record No. * (Select from dropdown list - may need to scroll up)	Compressor ID * (\$60.5420a(b)(1)(ii))	Are emissions from the rod packing unit being routed to a process through a closed vent system under negative pressure? * (\$60.5420a(b)(4)(i))
XML Tag:	CompressorId	RodEmissionsFlag
	e.g.: Comp-12b	e.g.: no

ication or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report
I in paragraphs (b)(4)(i) and (ii) of this section in all annual reports:

<p>If emissions are not routed to a process through a closed vent system under negative pressure, what are the cumulative number of hours or months of operation since initial startup or the previous rod packing replacement (whichever is later)? *</p> <p>(§60.5420a(b)(4)(i))</p>	<p>Units of Time Measurement *</p> <p>(§60.5420a(b)(4)(i))</p>	<p>Deviations where the reciprocating compressor was not operated in compliance with requirements* (§60.5420(b)(4)(ii) and §60.5420a(c)(3)(iii))</p>
<p>OpCumTime</p> <p>e.g.: 2</p>	<p>OpCumUnit</p> <p>e.g.: months</p>	<p>CompressorDeviation</p> <p>e.g.: Rod packing replacement exceeded 36 months. Replacement occurred after 37 months.</p>

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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction
For each pneumatic controller affected facility, an owner or operator must include the information speci

The asterisk (*) next to each field indicates that the corresponding field is required.

Facility Record No. * (Select from dropdown list - may need to scroll up)	Pneumatic Controller Identification * (\$60.5420a(b)(1)(ii), §60.5420a(b)(5)(i), and §60.5390a(b)(2) or §60.5390a(c)(2))	Was the pneumatic controller constructed, modified or reconstructed during the reporting period? * (\$60.5420a(b)(5)(i))
---	--	---

XML Tag:	ControllerId e.g.: Controller 12A	ControllerConstruct e.g.: modified
----------	--------------------------------------	---------------------------------------

, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual R
 fied in paragraphs (b)(5)(i) through (iii) of this section in all annual reports:

Pneumatic Controllers with a Natural Gas Bleed Rate Greater than 6 Standard Cubic Feet per Hour is required *		
Month of Installation, Reconstruction, or Modification* (§60.5420a(b)(5)(i) and §60.5390a(b)(2) or §60.5390a(c)(2))	Year of Installation, Reconstruction, or Modification* (§60.5420a(b)(5)(i) and §60.5390a(b)(2) or §60.5390a(c)(2))	Documentation that Use of a Pneumatic Controller with a Natural Gas Bleed Rate Greater than 6 Standard Cubic Feet per Hour is required * (§60.5420a(b)(5)(ii))
ConstructMonth	ConstructYear	CtrlBleedRateDesc
e.g.: February	e.g.: 2017	e.g.: Controller has a bleed rate of 8 scfh.

eport

I Gas Bleed Rate Greater than 6 scfh

Reasons Why *
(§60.5420a(b)(5)(ii))

Records of deviations where the pneumatic controller was not operated in compliance with requirements*
(§60.5420a(b)(5)(iii) and §60.5420a(c)(4)(v))

CtrlBleedRateReason

e.g.: safety bypass controller requires use of a high-bleed controller

ControllerDeviation

e.g.: Controller was not tagged with month and year of installation.

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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, I
For each storage vessel affected facility, an owner or operator must include the information specified in pa

The asterisk (*) next to each field indicates that the corresponding field is required.

Facility Record No. * (Select from dropdown list - may need to scroll up)	Storage Vessel ID * (§60.5420a(b)(1)(ii) and §60.5420a(b)(6)(i))	Was the storage vessel constructed, modified or reconstructed during the reporting period? * (§60.5420a(b)(6)(i))
---	---	---

XML Tag:

VesselId

VesselConstruct

e.g.: Tank 125

e.g.: modified

Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Re
paragraphs (b)(6)(i) through (vii) of this section in all annual reports:

Latitude of Storage Vessel (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(6)(i))	Longitude of Storage Vessel (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(6)(i))	If new affected facility or if returned to service during the reporting period, provide documentation of the VOC emission rate determination according to §60.5365a(e). * (§60.5420a(b)(6)(ii))
VesselLatitude	VesselLongitude	VesselVocRateDesc
e.g.: 34.12345	e.g.: -101.12345	e.g.: VOC emission rate is 6.5 tpy. See file rate_determination.pdf for more information.

port

Records of deviations where the storage vessel was not operated in compliance with requirements * (§60.5420a(b)(6)(iii) and §60.5420a(c)(5)(iii))	Have you met the requirements specified in §60.5410a(h)(2) and (3)?* (§60.5420a(b)(6)(iv))	Removed from service during the reporting period? * (§60.5420a(b)(6)(v))
VesselDeviation	VesselRequirementFlag	VesselRemoveFlag
e.g.: On October 12, 2016, the pilot flame was not functioning on the combustion unit controlling the storage vessel.	e.g.: Yes	e.g.: Yes

<p>If removed from service, the date removed from service. *</p> <p>(§60.5420a(b)(6)(v))</p>	<p>Returned to service during the reporting period? *</p> <p>(§60.5420a(b)(6)(vi))</p>	<p>If returned to service, the date returned to service. *</p> <p>(§60.5420a(b)(6)(vi))</p>	<p>Make of Purchased Device *</p> <p>(§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(A))</p>	<p>Model of Purchased Device *</p> <p>(§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(A))</p>
VesselRemoveDate	VesselReturnFlag	VesselReturnDate	SvMake	SvModel
e.g.: 11/15/16	e.g.: Yes	e.g.: 11/15/16	e.g.: Incinerator Guy	e.g.: 400 Combustor

Storage Vessels Constructed, Modified, Reconstructed or Returned to Service

Serial Number of Purchased Device * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(A))	Date of Purchase * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(B))	Copy of Purchase Order * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(C))	Latitude of Control Device (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(D))
SvSerialId	SvPurchaseDate	SvPurchaseFile	SvLatitude
e.g.: 123B3D392	e.g.: 12/10/16	e.g.: purchase_order.pdf or XYZCompressorStation.pdf	e.g.: 34.12340

Service During Reporting Period that Comply with §60.5395a(a)(2) with a Control Device Tested Under § 60.5413a(

<p>Longitude of Control Device (Decimal Degrees to 5 Decimals Using the North American Datum of 1983) * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(D))</p>	<p>Inlet Gas Flow Rate * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(E))</p>	<p>Please provide the file name that contains the Records of Pilot Flame Present at All Times of Operation * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(1)) Please provide only one file per record.</p>	<p>Please provide the file name that contains the Records of No Visible Emissions Periods Greater Than 1 Minute During Any 15-Minute Period * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(2)) Please provide only one file per record.</p>
SvLongitude	SvFlowRate	SvFlameFile	SvEmissionFile
e.g.: -101.12340	e.g.: 3000 scfh	e.g.: pilotflame.pdf or XYZCompressorStation.pdf	e.g.: noemissions.pdf or XYZCompressorStation.pdf

d)

<p>Please provide the file name that contains the Records of Maintenance and Repair Log * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(3)) Please provide only one file per record.</p>	<p>Please provide the file name that contains the Records of Visible Emissions Test Following Return to Operation From Maintenance/Repair Activity * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(4)) Please provide only one file per record.</p>	<p>Please provide the file name that contains the Records of Manufacturer's Written Operating Instructions, Procedures and Maintenance Schedule * (§60.5420a(b)(6)(vii) and §60.5420a(c)(5)(vi)(F)(5)) Please provide only one file per record.</p>
--	---	--

SvMaintFile

SvVisibleFile

SvInstructionFile

e.g.: maintainlog.pdf **or**
XYZCompressorStation.pdf

e.g.: emistest.pdf **or**
XYZCompressorStation.pdf

e.g.: manufinsruct.pdf **or**
XYZCompressorStation.pdf

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40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Constructi
For the collection of fugitive emissions components at each well site and the collection of fugitive emi:

The asterisk (*) next to each field indicates that the corresponding field is required.

Facility Record No. * (Select from dropdown list - may need to scroll up)	Identification of Each Affected Facility * (§60.5420a(b)(1))	Date of Survey * (§60.5420a(b)(7)(i))
---	--	--

XML Tag:

Facid

SurveyDate

e.g.: Well Site ABC

e.g.: 8/13/17

ion, Modification or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report
 ssions components at each compressor station within the company-defined area, an owner or operator must

Survey Begin Time * (§60.5420a(b)(7)(ii))	Survey End Time * (§60.5420a(b)(7)(ii))	Name of Surveyor * (§60.5420a(b)(7)(iii))	Ambient Temperature During Survey * (§60.5420a(b)(7)(iv))	Sky Conditions During Survey * (§60.5420a(b)(7)(iv))
SurveyStartTime	SurveyEndTime	SurverorName	AmbientTemp	SkyCondition
e.g.: 10:00 am	e.g.: 1:00 pm	e.g.: John Smith	e.g.: 90°F	e.g.: Sunny, no clouds

include the records of each monitoring survey including the information specified in paragraphs (b)(7)(i) t

Maximum Wind Speed During Survey * (\$60.5420a(b)(7)(iv))	Monitoring Instrument Used * (\$60.5420a(b)(7)(v))	Deviations From Monitoring Plan (If none, state none.) * (\$60.5420a(b)(7)(vi))	Type of Component for which Fugitive Emissions Detected * (\$60.5420a(b)(7)(vii))
MaxWindSpeed e.g.: 2 mph	MonitoringInstrument e.g.: Company ABC optical gas imaging camera	PlanDeviation e.g.: None	FugitiveType e.g.: Valve

through (xii) of this section in all annual reports:

Number of Each Component Type for which Fugitive Emissions Detected * (\$60.5420a(b)(7)(vii))	Type of Component Not Repaired as Required in §60.5397a(h) * (\$60.5420a(b)(7)(viii))	Number of Each Component Type Not Repaired as Required in § 60.5397a(h) * (\$60.5420a(b)(7)(viii))	Type of Difficult-to-Monitor Components Monitored * (\$60.5420a(b)(7)(ix))
FugitiveNum	NotRepairedType	NotRepairedNum	DifficultType
e.g.: 3	e.g.: Valve	e.g.: 1	e.g.: Valve

Number of Each Difficult-to-Monitor Component Type Monitored * (\$60.5420a(b)(7)(ix))	Type of Unsafe-to- Monitor Component Monitored * (\$60.5420a(b)(7)(ix))	Number of Each Unsafe- to-Monitor Component Type Monitored * (\$60.5420a(b)(7)(ix))	Date of Successful Repair of Fugitive Emissions Component * (\$60.5420a(b)(7)(x))
DifficultNum	UnsafeType	UnsafeNum	RepairDate
e.g.: 1	e.g.:Valve	e.g.: 1	e.g.: 11/10/16



Type of Component Placed on Delay of Repair * (§60.5420a(b)(7)(xi))	Number of Each Component Type Placed on Delay of Repair * (§60.5420a(b)(7)(xi))	Explanation for Delay of Repair * (§60.5420a(b)(7)(xi))	Type of Instrument Used to Resurvey Repaired Components Not Repaired During Original Survey * (§60.5420a(b)(7)(xii))
RepairType	RepairNum	RepairExplanation	ResurveyInstrumentType
e.g.: Valve	e.g.: 1	e.g.: Unsafe to repair until next shutdown	e.g.: Company ABC optical gas imaging camera

OGI	Compressor Sta
Training and Experience of Surveyor * (§60.5420a(b)(7)(iii))	Was a monitoring survey waived under § 60.5397a(g)(5)? * (§60.5420a(b)(7))
SurveyorExperience e.g.: Trained thermographer; completed 40-hour course at XYZ Training Center. Has 10 years of experience with OGI surveys.	SurveyWaivedFlag e.g.: Yes

ation Affected Facility Only

If a monitoring survey was waived, the calendar months that make up the quarterly monitoring period for which the monitoring survey was waived. *
(§60.5420a(b)(7))

SurveyWaivedMonths

e.g.: January; February; and March

DO NOT REMOVE OR EDIT INFORMATION IN THIS SECTION

FOR INTERNAL USE ONLY

Template Name 60.5420a(b) Annual Report (Spreadsheet Template)

CitationID 60.5420a(b)

Template Version v. 1.00

Last Updated Date

40 CFR Part 60 - Standards of Performance for Crude Oil and Natural Gas Facilities for which Construction, Modification, or Reconstruction is Required
For each pneumatic pump affected facility, an owner or operator must include the information specified in paragraph (b)(1) of this section.

The asterisk (*) next to each field indicates that the corresponding field is required.

Facility Record No. * (Select from dropdown list - may need to scroll up)	Identification of Each Pump * (§60.5420a(b)(1))	Was the pneumatic pump constructed, modified, or reconstructed during the reporting period? * (§60.5420a(b)(8)(i))
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XML Tag:

PumpId

PumpConstruct

e.g.: Pump 12-e-2

e.g.: modified

ion or Reconstruction Commenced After September 18, 2015 - 60.5420a(b) Annual Report
 phs (b)(8)(i) through (iii) of this section in all annual reports:

Which condition does the pneumatic pump meet? * (\$60.5420a(b)(8)(i))	If your route emissions to a control device and the control device is designed to achieve <95% emissions reduction, specify the percent emissions reduction. * (\$60.5420a(b)(8)(i)(C))	Identification of Each Pump * (\$60.5420a(b)(8)(ii))
PumpCondition	PumpReductionPercent	PumpChangeld
e.g.: Emissions are routed to a control device or process	e.g.: 90%	e.g.: Pump 12-e-2

Pneumatic Pumps Previously Reported that have a Change in Reported Condition During

Date Previously Reported* (§60.5420a(b)(8)(ii))	Which condition does the pneumatic pump meet? * (§60.5420a(b)(8)(ii))
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PumpChangeDate e.g.: 10/15/17	PumpChangeCondition e.g.: Control device/process removed and technically infeasible to route elsewhere
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the Reporting Period

If you now route emissions to a control device and the control device is designed to achieve <95% emissions reduction, specify the percent emissions reduction. *
(§60.5420a(b)(8)(ii) and §60.5420a(b)(8)(i)(C))

Records of deviations where the pneumatic pump was not operated in compliance with requirements*
(§60.5420a(b)(8)(iii) and §60.5420a(c)(16)(ii))

PumpChangeReductionPercent

e.g.: 90%

PumpDeviation

e.g.: deviation of the CVS inspections

